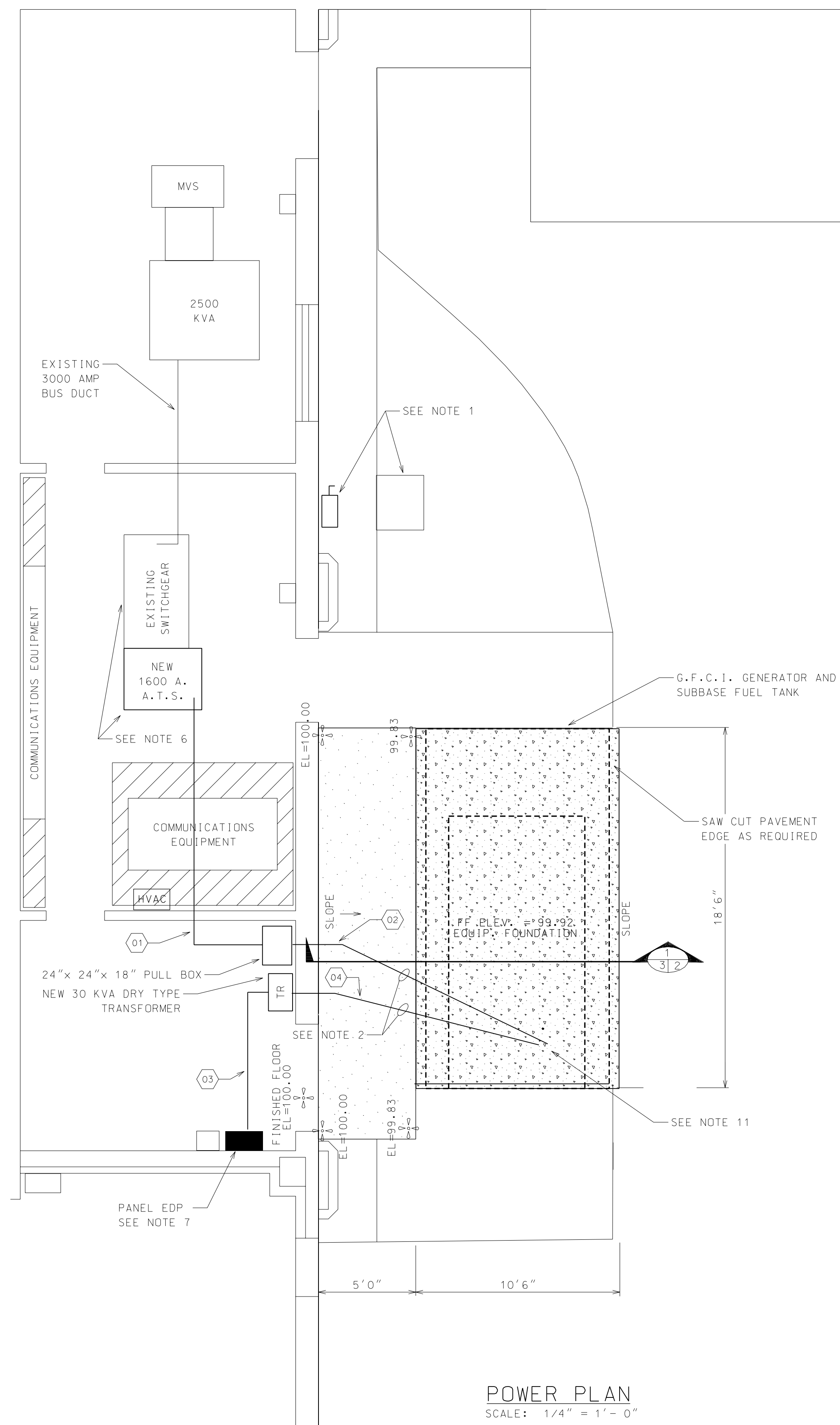








AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE		PAGE OF PAGES 1 1	
2. AMENDMENT/MODIFICATION NO. 0001		3. EFFECTIVE DATE 17-Apr-2003		4. REQUISITION/PURCHASE REQ. NO. W81EWF-3086-5796		5. PROJECT NO.(If applicable)	
6. ISSUED BY VBURG CONSOLIDATED CONTRACTING VICKSBURG OFFICE 4155 CLAY STREET VICKSBURG MS 39183-3435		CODE DACW42		7. ADMINISTERED BY (If other than item 6) VBURG CONSOLIDATED CONTRACTING VICKSBURG OFFICE 4155 CLAY STREET VICKSBURG MS 39183-3435		CODE DACW42	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)				X		9A. AMENDMENT OF SOLICITATION NO. DACW42-03-T-0046	
				X		9B. DATED (SEE ITEM 11) 11-Apr-2003	
						10A. MOD. OF CONTRACT/ORDER NO.	
						10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning <u>1</u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Request for Quotation No. DACW42-03-T-0046 for the installation of a Government furnished 600KW Emergency Generator and Auto Transfer switch at the Topographic Engineering Center in Alexandria, VA is modified as shown below: <div style="text-align: center; font-weight: bold;">DRAWINGS</div> Replace the existing Sheet 3 of 4 of Drawing No. C-2592A-1 with the revised Sheet 3 of 4. The date and time for receipt of quotes remain unchanged. Encl. - Revised Sheet 3 of 4, Drawing No. C-2592A-1							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) ROBERT R BROWN / CONTRACT SPECIALIST TEL: 601-631-7249 EMAIL: Randy.R.Brown@mvk02.usace.army.mil			
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)		16C. DATE SIGNED 17-Apr-2003	



NOTES:

3. THE CONTRACTOR SHALL INSTALL A NEW 600 VOLT, 30 AMP, 3 PHASE DISCONNECT SWITCH AND RELOCATE EXISTING HVAC CONDENSOR UNIT AND ASSOCIATED CARRIER MOTOR MASTER UNIT. THE CONTRACTOR SHALL INSTALL NEW FREON SUPPLY AND RETURN LINES BETWEEN THE EXISTING AIR HANDLER AND THE RELOCATED CONDENSOR UNIT. THE CONTRACTOR SHALL INSTALL NEW CONDUIT AND CONDUCTORS TO THE NEW DISCONNECT, AND CONNECT TO THE EXISTING CIRCUIT BREAKER(EDP - 7.9.11) THE CONTRACTOR SHALL RECHARGE THE SYSTEM WITH FREON AFTER RELOCATION. THE CONTRACTOR SHALL PHASE THE RELOCATION OF THE CONDENSOR TO MINIMIZE THE DOWN TIME FOR THE HVAC EQUIPMENT.
2. THE CONTRACTOR SHALL INSTALL PVC SCH. 80 CONDUIT FOR UNDER GROUND HORIZONTAL RUNS ONLY. THE CONTRACTOR SHALL USE RGS CONDUIT FOR VERTICAL RUNS AND RGS 90 DEGREE FITTINGS FOR CHANGING FROM HORIZONTAL TO VERTICAL RUNS. THE CONTRACTOR SHALL INSTALL CONDUIT STUB UPS AS CLOSE TO THE BUILDING WALL AS POSSIBLE AND USE RGS TYPE "LB" CONDUIT BODIES TO TRANSITION INTO THE BUILDING AT THE PULL BOX OR DRY TYPE TRANSFORMER.
3. ALL CONDUCTORS SHALL BE COPPER.
4. ALL POWER OUTAGES SHALL BE COORDINATED WITH AND APPROVED BY THE COR TWO WEEKS PRIOR TO THE OUTAGE. THE CONTRACTOR SHALL COORDINATE THE WORK TO MINIMIZE THE NUMBER OF POWER OUTAGES REQUIRED AND THEIR DURATION. POWER OUTAGES SHALL NOT BE SCHEDULED DURING NORMAL WORKING HOURS, 7:00 AM TO 5:30 PM MONDAY THROUGH FRIDAY.
5. THE CONTRACTOR SHALL NOT USE A COMMON NEUTRAL BETWEEN CIRCUITS. ALL CIRCUITS SHALL HAVE A GROUNDING CONDUCTOR. THE CONTRACTOR SHALL NOT USE THE CONDUIT AS THE GROUNDING CONDUCTOR. INDIVIDUAL CIRCUITS IN THE SAME CONDUIT MAY SHARE A COMMON GROUNDING CONDUCTOR.
6. THE CONTRACTOR SHALL DISCONNECT THE LOAD SIDE OF THE MAIN BREAKER FROM THE HORIZONTAL PHASE BUSES IN THE SWITCHGEAR. THE CONTRACTOR SHALL CONNECT THE LOAD SIDE OF MAIN BREAKER TO THE NORMAL SIDE OF THE NEW 1600 AMP A.T.S.. THE CONNECTION MAY BE MADE USING 3 - 350 MCM THWN CU CONDUCTORS PER PHASE OR A SINGLE COPPER BUS RATED FOR 1600 AMPS PER PHASE. THE CONDUCTORS OR BUS SHALL BE RIGIDLY SUPPORTED WITHIN THE ENCLOSURE. THE CONTRACTOR SHALL SET THE CURRENT SETTING ON THE MAIN BREAKER TO 0.5. THE CONTRACTOR SHALL CONNECT THE LOAD SIDE OF THE A.T.S. TO THE HORIZONTAL PHASE BUSES IN THE EXISTING SWITCHGEAR USING SIMILAR MEANS AS THE NORMAL SIDE CONNECTION. THE SWITCHGEAR IS A GE POWER BREAK SWITCHGEAR PRODUCT # AV3, JOB # 52541. THE MAIN BREAKER IS A GE POWER BREAK RMS-9 VERSA TRIP, CAT. # TP3030SSFC, SERIAL # V84569.
7. PANEL EDP IS A 225 AMP, 277/480 Y VOLT, 3 PHASE PANEL, AND ACCEPTS TEY, TED4, THED6, TFK, AND THFK TYPE CIRCUIT BREAKERS.
8. UNDERGROUND UTILITIES ARE LOCATED WITHIN THE CONSTRUCTION AREA. THE CONTRACTOR SHALL HAVE ALL UNDERGROUND UTILITIES LOCATED PRIOR TO ANY EXCAVATION.
9. THE CONTRACTOR SHALL INSTALL A 30 KVA, 480 DELTA PRIMARY, 120/208 WYE SECONDARY, 3 PHASE, DRY TYPE TRANSFORMER. THE GROUNDING ELECTRODE CONDUCTOR SHALL BE #8 AWG COPPER, AND SHALL BE FUSION WELDED TO THE BUILDING STEEL. TRANSFORMER SECONDARY FEEDER SHALL SUPPLY THE PANEL INSIDE THE GENERATOR ENCLOSURE
10. THE CONTRACTOR SHALL PROVIDE ALL MATERIAL, LABOR, AND EQUIPMENT REQUIRED TO UNLOAD, PLACE, AND CONNECT THE GOVERNMENT FURNISHED 600 KW GENERATOR AND 1600 AMP AUTOMATIC TRANSFER SWITCH.
11. THE CONTRACTOR SHALL POSITION AND INSTALL CONDUITS TO ALLOW ACCESS TO THE CONDUIT CHASE IN THE SUBBASE FUEL TANK. REFERENCE MANUFACTURERS DIMENSIONAL DATA SUPPLIED FOR THE GOVERNMENT FURNISHED EQUIPMENT.

LEGEND:

- | | |
|---|---|
|  | DISCONNECT SWITCH. SEE SCHEDULE BELOW. |
|  | JUNCTION BOX. |
|  | EXISTING PANEL EDP |
|  | NEW 30 KVA DRY TYPE TRANSFORMER.
SEE NOTE 9. |
|  | NEW 4" SIDEWALK |
|  | NEW EQUIPMENT FOUNDATION |

CONDUIT AND CONDUCTORS:

- | | |
|------|--|
| (01) | 3 - 3" EMT CONDUITS WITH 4 - 350 MCM THWN CU CONDUCTORS
AND 1 - #2/0 THWN CU GROUND CONDUCTOR EACH.
1 - 1" EMT CONDUIT FOR CONTROL CONDUCTORS. |
| (02) | 3 - 3" PVC SCH 80 CONDUITS WITH 4 - 350 MCM THWN CU CONDUCTORS
AND 1 - #2/0 THWN CU GROUND CONDUCTOR EACH.
1 - 1" PVC SCH 80 CONDUIT FOR CONTROL CONDUCTORS. |
| (03) | 1 - 3/4" EMT CONDUIT WITH 3 - #8 AWG THWN CU CONDUCTORS. |
| (04) | 1 - 1" PVC SCH 80 CONDUIT WITH 4 - #4 AWG THWN CU CONDUCTORS
AND 1 - #8 AWG THWN CU GROUND CONDUCTOR. |

DISCONNECT SWITCH SCHEDULE				
CIRCUIT NUMBER	EQUIPMENT SERVED	CIRCUIT CONDUCTORS	DISCONNECT SIZE	NEMA TYPE
EDP - 7,9,11	HVAC UNIT	3-#10 THWN, 1-#10+	30 AMP, 3 PH.	3

SYM.		REVISION		APPRV		
ADDED CONTROL CONDUCTOR CONDUIT						
APPROVED-DIRECTOR, DPW		U. S. ARMY CORPS OF ENGINEER-RESEARCH AND DEVELOPMENT CENTER ALEXANDRIA, VA BUILDING 2592A EMERGENCY GENERATOR SITE AND POWER PLANS				
RECOMMENDED-CHIEF ENGINEERING DIV.						
SUBMITTED- PROJECT ENGINEER						
CHECKED FOR PRODUCTION		SIZE E	INVIATION NO.	FILE NO. C-2592A-1	PLATE	
DRAWN BY: W.S.M.	DATE CHECKED: 03/17/03	24x36	SCALE: AS SHOWN	SHEET 03 OF 04		